

# Technical Manual

## L830 Studio™ L Series

**JBL**

### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Nominal Impedance 8 ohms
- Max Amp Power 150 watts\*
- Frequency Response 48Hz – 40kHz (±3dB)
- Sensitivity 90dB (2.83V @ 1 meter)
- Crossover Frequencies 2500Hz, 20kHz

### SYSTEM COMPONENTS:

- Grille 353229-001
- Low-Frequency Transducer 6" (152mm) PolyPlas™ cone, shielded (335148-002)  
DC Resistance 4.8 ohms ±10%
- High-Frequency Transducer 1" (25mm) Pure-titanium dome (353237-001)  
DC Resistance 3.3 ohms ±10%
- Ultrahigh-Frequency Transducer 3/4" (19mm) Mylar® dome (353107-001)  
DC Resistance 3.6 ohms ±10%
- Crossover Network 353440-001

### AURAL SWEEP TEST SPECIFICATIONS:

- System Aural Sweep Test 6.0V Input 50Hz to 20kHz
- L.F. Aural Sweep Test 5.0V Input 50Hz to 3kHz
- H.F. Aural Sweep Test 2.83V Input 2kHz to 20kHz
- U.H.F. Aural Sweep Test n/a

### PHYSICAL SPECIFICATIONS:

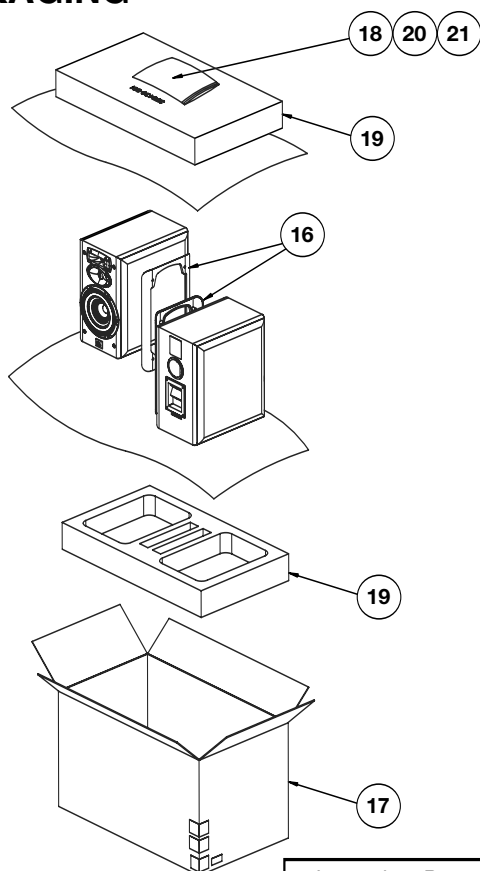
- Enclosure dimensions 15-1/4" x 8-3/4" x 12-3/4"  
(H x W x D) (385mm x 222mm x 320mm)
- Weight 44 lb (20kg) Sold in Pairs

### WARRANTY:

- Refer to Warranty Statement packed with each product.

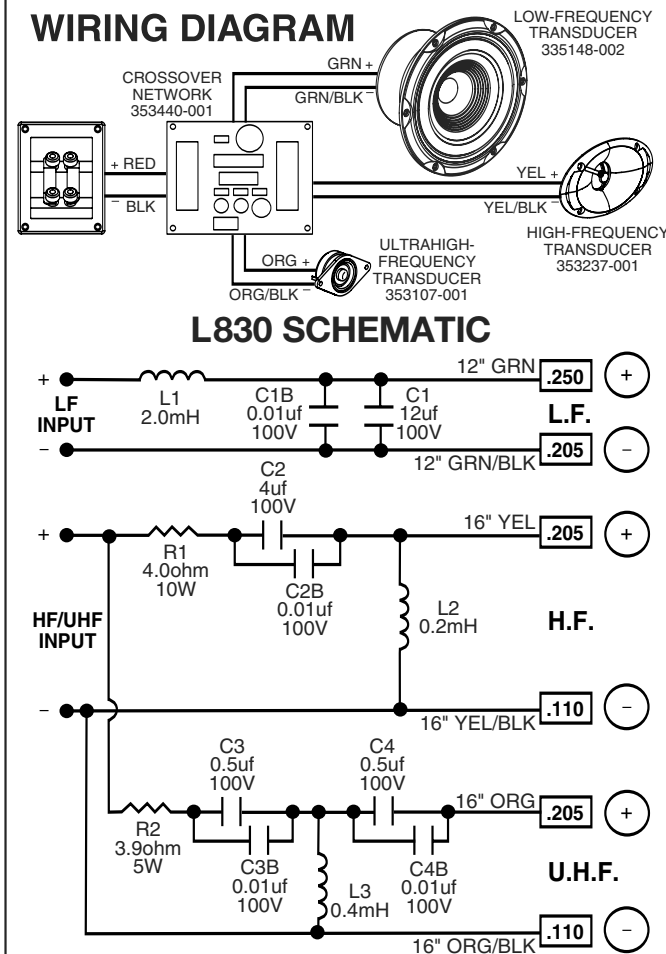
\* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

## PACKAGING



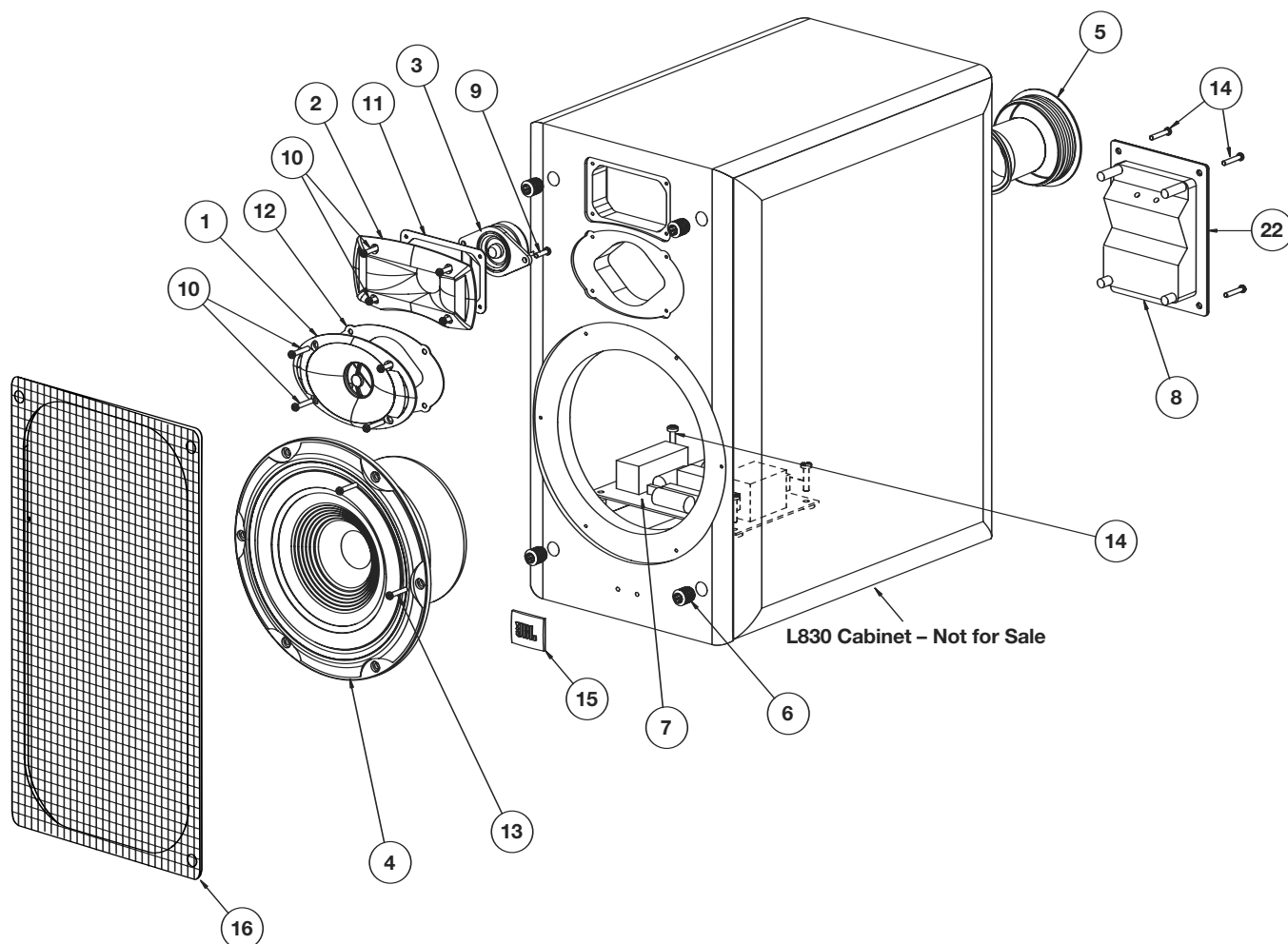
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## WIRING DIAGRAM



**L830 Studio™ L Series**

## EXPLODED VIEW



Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	353237-001	HF TWEETER, ASSY, W/FACEPLATE	1	13	903802-012	SCREW (WOOFER) PB, HXS, #8X.75, ZINC	6
2	353133-001	HORN, UHF - STUDIO SERIES	1	14	903401-012	SCREW (NETWORK, TERM CUP) PB, PPH, #6X.75, BLK	8
3	353107-001	ASSY, TWEETER, UHF - STUDIO SERIES	1	15	353284-001	ASSY, LOGO - STUDIO L SERIES	1
4	335148-002	ASSY, WFR, 6-1/2" - STUDIO L SERIES	1	16	353229-001	ASSY, GRILLE - STUDIO L830	1
5	352504-001	ASSY, PTB - STUDIO L830	1	17	353436-001	OUTER CARTON, STUDIO L830, BLK	1
6	333249-001	GRILLE CUP, BLACK	4		353436-002	OUTER CARTON, STUDIO L830, BE	1
	333249-003	GRILLE CUP, BE & CH	4		353436-003	OUTER CARTON, STUDIO L830, CH	1
7	353440-001	CROSSOVER NETWORK L830	1	18	353334-001	L830 OWNER'S MANUAL	1
8	351317-001	TERMINAL CUP, BI-WIRE, PLSTC-NE	1	19	353439-001	PAD, END, TOP & BTM L830	2
9	900301-008	SCREW (UHF TWT) MS, PPH, 6-32X.5, BLK	2	20	338322-001	WARRANTY CARD, JBL PASSIVE	1
10	908302-012	SCREW (HF TWT, UHF HORN) PB, HXS, #6X.75, ZINC	8	21	330104-001	FOOT, BUMP-ON, 3M, SJ5744	8
11	353327-001	GSKT, TWEETER, UHF	1	22	CS06-6	NETWORK SHORTING STRAPS (SET)	1
12	353331-001	GSKT, TWEETER, HF	1				